



A KORNBLOT 18-14-12-2-5-1-16
Method and Apparatus for Controlling Friction between a Fluid and a Body
Donald P Dinella (908)582-8582
Replacement Sheet

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FIG. 1A
(PRIOR ART)

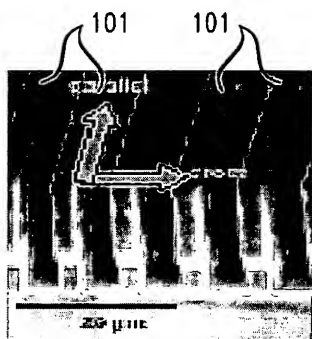


FIG. 1B
(PRIOR ART)

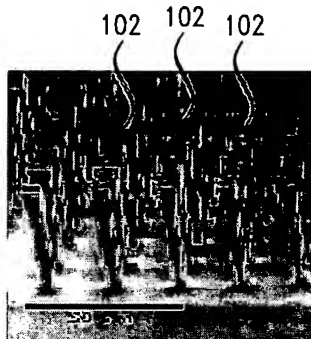


FIG. 1C
(PRIOR ART)

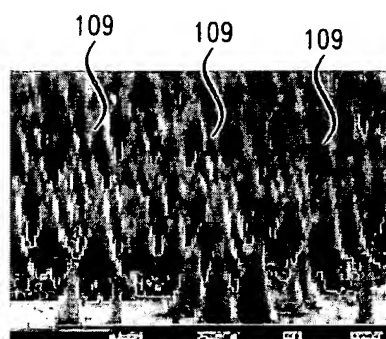


FIG. 1A
(PRIOR ART)

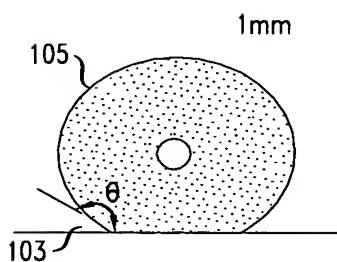


FIG. 1E
(PRIOR ART)

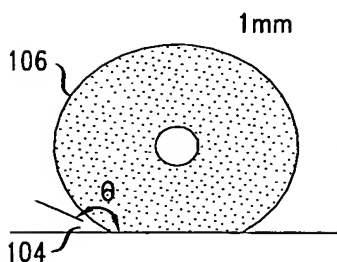
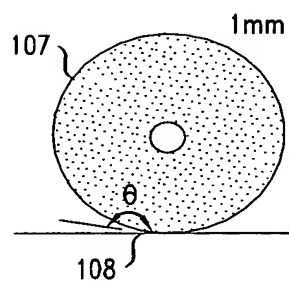


FIG. 1F
(PRIOR ART)



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FIG. 2A
(PRIOR ART)

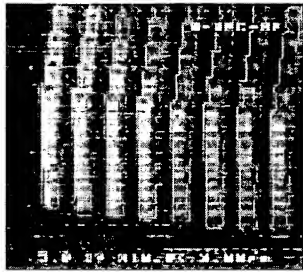


FIG. 2B
(PRIOR ART)

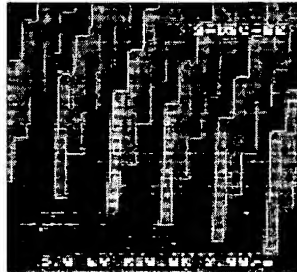


FIG. 2C
(PRIOR ART)

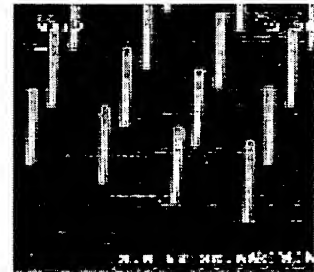


FIG. 2D
(PRIOR ART)

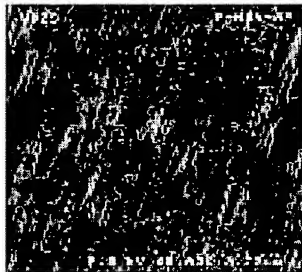
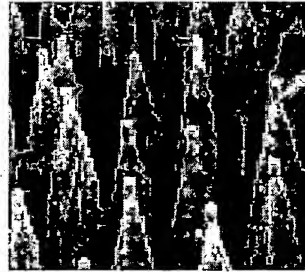


FIG. 2E
(PRIOR ART)



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FIG. 3
(PRIOR ART)

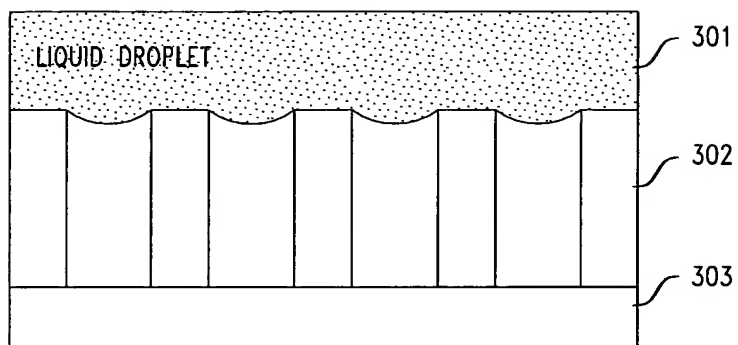
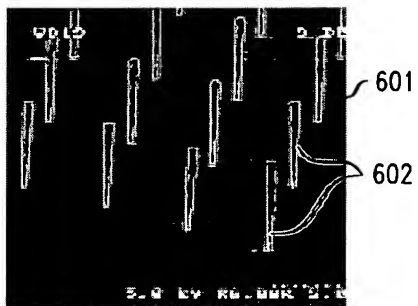


FIG. 6
(PRIOR ART)



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A schematic diagram of a meniscus in a tube. A horizontal line represents the tube wall, with a dashed line below it representing the center of curvature. A vertical dashed line passes through the center of curvature, labeled 405. The meniscus is a curved line above the tube wall. The contact angle is labeled θ . The radius of curvature is labeled R . The forces acting on the meniscus are labeled F (upward) and γ_{S-L} (downward). The surface tensions are labeled γ_{S-V} and γ_{L-V} . The refractive indices are labeled n_{LIQUID} and n_{VAPOR} . The tube wall is labeled 407, the center of curvature is 405, and the contact point is 403. The diagram is labeled 401 in the top left corner.

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FIG. 7A

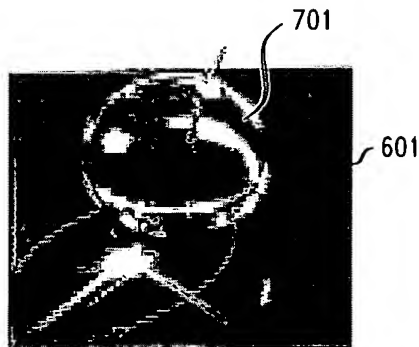


FIG. 7B

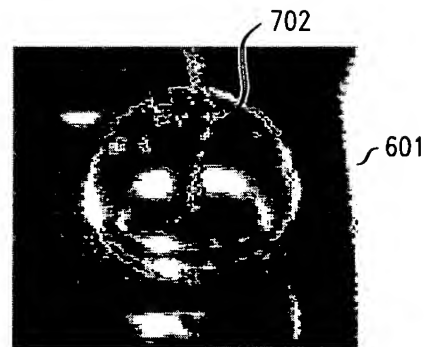


FIG. 7C

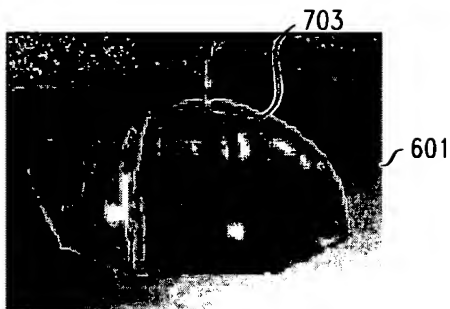
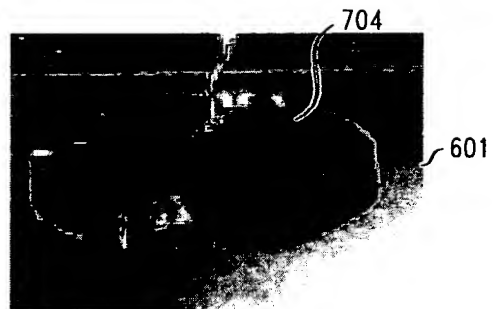


FIG. 7D



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FIG. 8A

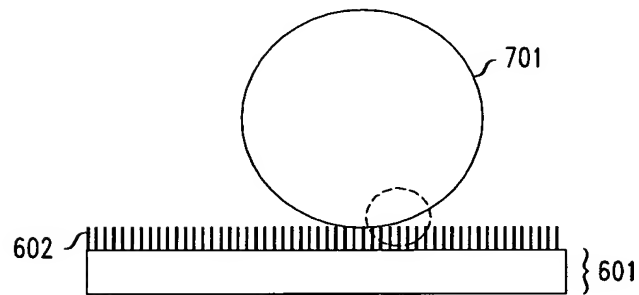


FIG. 8B

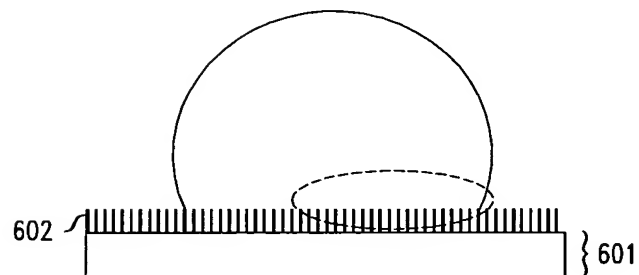


FIG. 9A

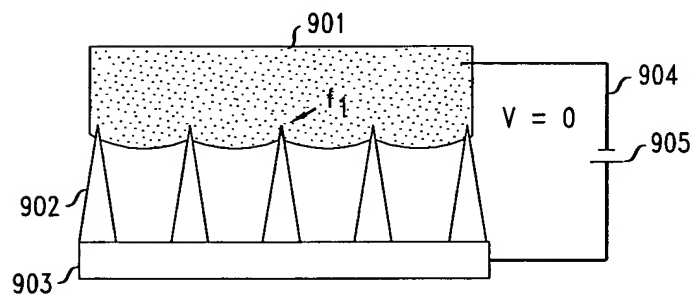


FIG. 9B

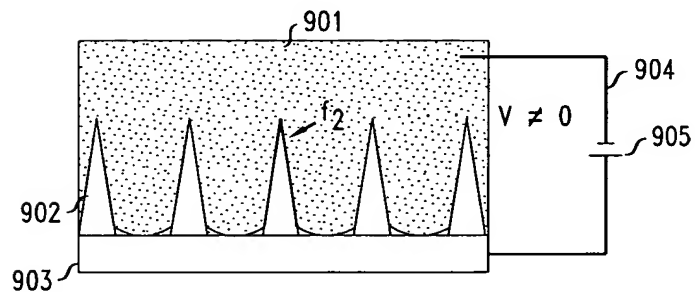


FIG. 10

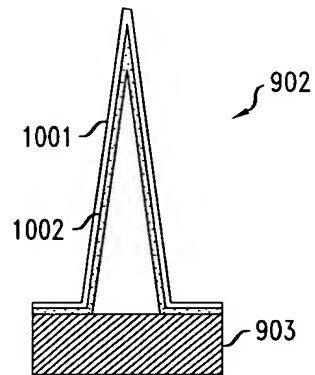


FIG. 11

